OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

CARMINIC ACID 98% AR
(C.I.NO.75470)(For Microscopy)
MSDS CAS: 1260-17-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: CARMINIC ACID
CAS#: 1260-17-9
Synonym: C.I. Natural Red 4; C.I. 75470
Chemical Name: Not available.
Chemical Formula: $C_{22}H_{20}O_{13}$

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight	Hazardous
Carminic Acid	1260-17-9	90 - 100%	No

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Section 3: Hazards Identification

Emergency Overview:
As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA Ratings (Provided here for your convenience) :
Health Rating: 1 - Slight
Flammability Rating: 1 - Slight
Reactivity Rating: 0 - None
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects:
Inhalation:
No adverse health effects expected from inhalation. May cause mild irritation to the respiratory tract.
Ingestion:
Not expected to be a health hazard via ingestion. Large oral doses may cause irritation to the gastrointestinal tract.
Skin Contact:
Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.
Eye Contact:
Not expected to be a health hazard. May cause mild irritation, possible reddening.
Chronic Exposure: No information found.
Aggravation of Pre-existing Conditions: No information found.

Section 4: First Aid Measures

Inhalation:
Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:
Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

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Section 4: First Aid Measures (Continued)

Skin Contact:
Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:
Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

Section 5: Fire and Explosion Data

Fire:
As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion:
Not considered to be an explosion hazard.

Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.

Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

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Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits: **None established.**

Ventilation System: **Not expected to require any special ventilation.**

Personal Respirators (NIOSH Approved):
For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.
WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear protective gloves and clean body-covering clothing.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9: Physical and Chemical Properties

Appearance	**: Red Powder.**
Odor	**: No information found.**
Solubility	**: Appreciable (> 10%)**
Molecular Weight	**: 492.39 g/mole**
Specific Gravity	**: No information found.**
pH	**: 4.8 Yellow.W; 6.2 violet**
Boiling Point	**: Decomposes at 136C.**

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Section 9: Physical and Chemical Properties (Continued)

% Volatiles by volume @ 21C (70F): 0
Melting Point : No distinct melting point.
Vapor Density (Air=1) : Not applicable.
Vapor Pressure (mm Hg) : Not applicable.
Evaporation Rate (BuAc=1) : No information found.

Section 10: Stability and Reactivity Data

Stability:
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

Section 11: Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

----------\Cancer Lists\----------

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Carminic Acid	(1260-17-9)	No	No None

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Section 12: Ecological Information

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

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Section 15: Other Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Carminic Acid (1260-17-9)	Yes	Yes	Yes	Yes

----------\Chemical Inventory Status - Part 2\----------

		--Canada--		
Ingredient	Korea	DSL	NDSL	Phil.
Carminic Acid (1260-17-9)	No	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

		-------SARA 302- ------SARA 313------		
Ingredient	RQ	TPQ List	Chemical	Catg.
Carminic Acid (1260-17-9)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

		-RCRA- -TSCA-	
Ingredient	CERCLA	261.33	8(d)
Carminic Acid (1260-17-9)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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